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| **String buffer** | **String builder** |
| Introduced in JDK1.0 | Introduced in JDK1.5 |
| Safe to be used by multiple threads | Unsafe to be used by multiple threads |
| Faster than String class due to mutability but slower than StringBuilder class as it allows simultaneous operations of multiple threads. | Fastest among all as it allows mutability and does not allow multiple threads operating at the same time. |
| Performance: The thread is secure. Because numerous threads are unable to be accessed at once, it is sluggish. | Performance: It is quicker than String Buffer since it is not thread-safe. |
| Mutable: It can change. Strings can be changed without the creation of an object. | Mutable: It can also change. |
| Heap memory is used here. | Here also we prefer heap memory. |
| StringBuffer was introduced in Java 1.0. | StringBuilder was launched in Java 5. |
| **Syntax:** StringBuffer var =  new StringBuffer(str); | **Syntax:** StringBuilder var = new StringBuilder(str); |